# NABSHOW® Stoppers

Places for you to stop as you make your way through the ***NAB2013 Show*** include exhibitors who continue to demonstrate their interest and support of the Canadian broadcast industry. These companies, and individuals who represent them, are entirely worthy of your consideration. Even if you aren't attending NAB2013, familiarize yourself with these new products that are being introduced.

## Anton/Bauer

Booth # C6025
www.antonbauer.com

**Anton/Bauer Gold Spectrum™ Wireless Series**

The Gold Spectrum Series is comprised of the AB-HDRF Kit, AB-HDTX transmitter, AB-HDRX dual diversity COFDM receiver and/or AB Direct VU handheld receiver/monitor. The size of each component within the series makes it ideal for portability.

The AB-HDTX transmitter is camera mountable and features SD/HD encoding in a miniature transmit solution package. It can deliver an RF output of 100 mW from a package that mounts between the Gold Mount, camera and Anton/Bauer Logic Series battery. It supports video and embedded audio transmission with selectable bandwidths of 6, 7 and 8 MHz. The AB-HDTX features H.264 SD and HD encoding capabilities and operates in the standard 2k DVB-T COFDM mode.

**DIONIC HD Battery**

Part of the company's Logic Series of batteries, the DIONIC HD powers high-current applications in a lightweight package, making it a fit with digital cinema cameras such as the Sony F65, RED cameras, ARRI Alexa, the Vision Research Phantom series and more. It delivers up to 10 amps of power and is a 183Wh battery that features special-application Li-Ion cell technology. It has an improved LCD for superior safety and reliability in extreme weather. Weighing 40% less than a NiCad or NiMH battery, it has 25% more capacity and will run a 30-watt camera, monitors and multiple accessories for more than six hours.

## Axia Audio

Booth # C3007
www.axiaaudio.com
www.pippintech.com

**DESQ**

DESQ is 16 square inches; a space efficiency unbeatable by big consoles. Applications include interview studios, live performance spaces for on-air broadcast, news and features. Remotes and/or sports events where multiple mics are needed.

## Canon

Booth # C4325
www.canon.ca

**KJ20x8.2B KRSD**

The KJ20x8.2B KRSD achieves optimal optical performance with a light weight of 1.25 kg and wider-angle focal length of 8.2mm. Ideal for news productions.

## Clear-Com, an HME Company (Canadian Distributor: GerrAudio Distribution)

Booth # C8008 *(See ad on this page)*
www.clearcom.com
www.gerr.com

**Tempest 2400**

Operating in the 2.4GHz band, the Tempest 2400 is available in a 2- or 4-channel system for indoors, outdoors and touring applications. iSelect On Command Roaming allows users to move from one coverage to another. The new Tempest 2400 MasterBelt is compact and portable.

## Davicom, a division of Comlab Inc.

Booth # C1111
www.davicom.com

**Davicom Digital Audio Detector-Switcher**

Designed to be used as an automatic or manual switch for AES/EBU digital audio signals, the Digital Audio Detector Switcher offers all the required inputs and outputs to be controlled and monitored by other equipment. It has audio level detection algorithms that enable thresholds with delays to be programmed on each of its three input sources (2 digital, 1 analog).

**Davicom Version 5.50 Firmware & Software**

This product is for use with the company's line of remote monitoring, alarm and control products. Features include: iOS app for Apple devices, on-board SNMP V3 Manager and Agent, direct web access to on-site peripherals, PPP to IP bridging for backup communications, DTMF macros and resizable workspace screens.

**Dual Power Supply Adapter**

The DPS-12 (+12V) and DPS-48 (48V) kits add power supply redundancy to the Davicom Remote Site Monitoring & Control Systems by allowing two power supplies to be connected in parallel, ensuring fail-safe operation.

## DiGiCo UK Limited (Canadian Distributor: GerrAudio Distribution)

Booth # C1344 *(See ad on this page)*
www.gerr.com
www.digico.biz

The SD11 is a 19-inch rackmount or table top mixer that employs the power of DiGiCo's Stealth Digital Processing™ and the flexibility of a true FPGA-based digital audio console. Maintaining the highest audio quality, the SD11 is broadcast enabled and mixing in 5.1.

## DVEO division of Computer Modules, Inc.

Booth # SU6505
www.dveo.com

**20 Channel Ad Inserter – Ad Serter Telco IP/IP 20ch™**

It's a real time, broadcast quality, high density, text, live graphics, EAS, or video clips inserter. The system inserts or overlays scheduled or signal driven video ads, images, etc.

**True Check™ IP Analyzer**

This remote monitoring platform is for verifying the quality of digital audio and video services delivered over IP networks. The system is suitable for monitoring MPEG-2/H.264 programs delivered over the Internet, as well as head-end equipment that uses IP for video transport.

**MPEG Magnus™**

It's a 40 stream, 16 core, broadcast quality, realtime, SD or HD (up to 1080p), IP to IP, MPEG-2 to H.264 transcoder, scaler, and streamer. Resulting streams can be viewed with standard IP capable set-top boxes, streaming video, smartphones or other software clients.

**Xaris™**

This video server captures content from cameras, VTR tapes or simple video file imports. It records and plays SDI/HD-SDI input and output in a scheduled or sequential mode.

## ENCO

Booth # C1321
www.enco.com
www.pippintech.com

**enCaption3**

enCaption3 features an enhanced speech recognition engine that delivers closed captions in real-time with high accuracy. It allows broadcasters to serve hearing impaired audiences for less cost.

**DADv13**

An audio playout, automation and control system for radio. From fully manual to live assist, to fully automated DAD's modern, the intuitive user interface allows stations to create better sounding radio. Audio content and metadata can be managed with ENCO web tools and integrated remote voice tracking. The DAD suite now also includes music scheduling and integration with leading traffic systems.

**DADtv**

Digital audio for live and production television providing instant access to all audio material on your network, hard disk or USB drive. An organized database of audio makes it quick and easy to find the right cut at the right time. Automatic log generation simplifies rights reporting tasks. DADtv enables incorporation of discrete Surround Sound 5.1/7.1 audio into HDTV broadcasts.

## Frontline Communications

Booth # C7439
www.frontlinecomm.com

First Full-Size ENG Vehicle with Inverter-Based UPS Battery System
The Frontline NV-ENG is the industry's first full-size ENG vehicle that features an exclusive vehicle integrated power system, an inverter-based, uninterruptible power supply system that stores enough electrical energy to power a full complement of broadcast equipment for up to three hours with the main vehicle engine shut down.

## Haivision

Booth SL6605
www.haivision.com

**Makito™**

This next generation, high-definition H.264 encoding platform with dual-channel HD encoding delivers twice the quality at half the bandwidth with 55 milliseconds of encoding latency and the ability to deliver multiple bitrates from each source simultaneously. This low latency encoder supports up to 12 channels of HD-SDI 1080p60 encoding within 1RU.

## LARCAN

Booth # SU5306 *(See ad on this page)*
www.larcan.com

**Cool-Dock Series of UHF and VHF Liquid Cooled Transmitters**

This series incorporates technology which provides cooling while maintaining optimal serviceability. No fluid disconnection is required for regular service. The compact, modular design allows for expandability.

## LEMO

Booth # C9012
*(See ad on this page)*
www.LEMO.com

**MULTISHACK™**

A conversion system from multiple SMPTE connectors/cable to a single multi-way fibre cable, providing a transition from HD over hybrid (copper and fibre) cables to HD over a single multi-way fibre optic cable. The MULTISHACK™ enables up to six cameras to be individually powered from one remote source (i.e. a local generator) through the 3K.93C connectors and cables.

Applications:

- Golf, skiing, auto racing, Olympic games
- Stadiums, racing tracks
- Wherever multiple cameras are needed in a remote location.

**Fibre Optic Link Sytem for Video, Audio and Control Signals**

Provides multi-channel system camera-style video and audio connections and control for studio cameras and camcorders alike over a single hybrid cable using LEMO 3K.93C connectors.

## OMT Technologies

Booth # C1333
www.imediatouch.com

**iMediaTouch 4.3.1**

Features of this latest version of the iMediaTouch broadcast automation suite include:

- Nexus server interface providing real-time interaction with MusicMaster music scheduling.
- Integration of a live read affidavit in the as-run (OUT) log for Arctic Palm Live Copy.
- Several fault tolerance improvements to Automatic Failover
  including a log priority scan for immediate backup of today's
  content, enhanced store forward transfer speed improvement of 200%. Users can now perform a manual failover from primary
  network to secondary local storage.
- Implementation of an EAS closure feed feature.
- Enhanced rejoin liner feature where satellite programming is scheduled.
- New Auto Liner EOM Adjust feature to allow for unrestricted EOMs (non overlap)
- Enhancements to the Remote Voice Tracking Portal software.

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Broadcast Products

**3K93C HDTV Connectors**
Professional Broadcasters' preferred choice around the world
Hybrid Configuration with 2 fiber, 2 power and 2 signal contacts
Conforms to SMPTE, ARIB, EBU
Made in Switzerland
Over 20,000 mating cycles
Cable Assemblies - Made to Order

**Triax-to-Fiber Video Media Converter - Meerkat -**
Extends Triax camera range to 2 km or 20 km

**HD/SDI-to-Fiber Video Media Converter - Serbal -**
4 Channel, Coax-to-Fiber, bi-directional link

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**LEMO Canada**
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info@lemo.com

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See us at Booth C9012

## Nautel Limited

Booth # C2207 *(See ad on this page)*
www.nautel.com

The NVIt analog FM transmitters introduced last year have been upgraded with power levels up to 40 kW to give high power broadcasters options for full featured yet economical transmitters. On the television side, the company will feature a range of low power digital UHF transmitters. One or two surprises are planned for opening day.

## Optical Devices Division of Fujifilm

Booth # C7525, N203LMR
www.fujinon.com

**Premier PL 85-300 Cabrio**

The PL 85-300's longer focal length is designed for shooting documentaries, nature and wildlife, and commercials. It offers a focal length of 85-220mm at T2.9 and 300mm at T4.0, with 200-degree focus rotation. The digital servo's 16-bit encoding assures operators that all lens data output—such as the position of the zoom, iris, and focus—is extremely accurate.

## Orban

Booth # N5006
www.orban.com
www.sbrf.ca

The new Optimod-FM 8600S features all the functionality of an 8600FM in a one rack unit chassis.

The new Orban Optimod-PC 1511 is a one rack unit containing an 1101/1211.

The new Orban Optimod-PC OptiEXP is a three rack unit PCIE Expansion Chassis able to hold up to eight 1101/1211E cards.

## PANASONIC

Booth # C3607 *(See ad on this page)*
www.panasonic.ca

**AJ-PX5000G 2/3-Inch, 3-Chip AVC-Ultra P2 HD Shoulder-Mount Camera**

This is Panasonic's first P2 HD camcorder with native AVC-Ultra recording and built-in microP2 card slots. Featuring 720p and 1080p/i recording, it is the first P2 camcorder that will record in full-resolution, 10-bit 1080/60p (in AVC-Intra100). AVC-LongG is standard. The AJ-PX5000G will be available this fall.

**MircroP2 Card Series**

Panasonic's new microP2 series, the world's first UHS-II compliant memory cards (as of March 2013), continues the company's evolution to higher-speed, lower-cost, more compact media. The simultaneous introduction of a microP2 Card Adapter assures that the new series of 64GB and 32GB microP2 cards will operate in current P2 hardware*. Panasonic has also announced a two-slot microP2 drive for plug-and-play offload of content.

** The microP2 card and microP2 card adapter will not support all P2 products.*

## RCS Canada

Booth # C2631 *(See ad on this page)*
www.rcscanada.com

**Selector2Go**

Selector2Go works on all contemporary browsers and across platforms and mobile devices. The system keeps the interface simple while the data flow is kept small to enable fast performance. The product provides core scheduling, schedule editing functionality and analysis details of rotations in the palm of a hand.

**Zetta**

Zetta's design has been simplified, integrating with music scheduler GSelector4, RCSnews and the Aquira traffic system. RCSremote is an app that allows control of a Zetta station log, allowing log with play, pause, stop and fade and go manipulations. Changes can be made to the station being controlled as well as allowing switching between satellite, live assist and automated modes.

**Aquira Online**

Aquira Online provides for constant contact with the traffic team back at the station. Station people can interact with Aquira Online through Internet access.

## Rohde & Schwarz

Booth # SL6316, SL6320
www.rohde-schwarz.com

**R&S® AVHE100 Headend Solution**

Greatly improved fail-safety. All major encoding/multiplexing centre features are integrated into a few hardware components, making it one of the most compact systems on the market.

**Test and Measurement**

There are two new test and measurement products: the portable R&S®EFL110/210 test receiver and multi-channel R&S®SLG signal generator. The former is for testing cable TV networks to detect undesired electromagnetic emissions. It locates interference in LTE networks caused by leakage in the cable TV network.

The latter can generate up to 32 satellite transponder signals simultaneously. The compact instrument can simulate an uplink/downlink band, effectively replacing complex, multiple-component solutions for testing of ground stations, satellite payloads, tuners and set-top boxes.

**VENICE Media Production Hub**

The product makes it easier for TV studios to set up file-based workflows. R&S describes it as an economical entry-level playout solution specifically tailored to the needs of live studio operations.

## Ross Video

Booth # N3808
www.rossvideo.com

**XPression Connect**

XPression Connect is a new playout controller for social media applications. Users can take social media feeds to air with a preview of the data displayed in the XPression template. Connect can either crawl or cycle messages as well as use avatar images. The number of times messages are aired is tracked. It's also possible to float messages out of the list temporarily.

**Carbonite 10**

Carbonite 10 is a new 1 MLE switcher designed for the budget conscious yet including the standard features of Carbonite.

**OverDrive Automated Production Control System**

OverDrive features a re-engineered newsroom plug-in that streamlines the preparation process, allowing productions to get to air faster, with less effort and fewer mistakes. V14 adds customer driven features such as trailing audio support, color coding to easily identify incoming MOS elements, automated multi-platform publishing and a remote database option for multi-site production.

## TFT Inc.

Booth # C3320
www.tftinc.com

**EAS911+ EAS Encoder/Decoder with CAP decoding capabilities**

With a touch screen user interface for operation and set-up, it also incorporates a CAP decoder, analog and AES/EBU audio switcher, and interface to an auxiliary video overlay device to put EAS information on four or more video streams. The product features greater logging and recording capabilities and text-to-speech conversion.

**Quad CineView Monitor for CALM Act Compliance**

The product can capture a video image as a bitmap for reference, storage or distribution. E-mail alerts can be sent to appropriate personnel whenever video and audio parameters exceed thresholds.

GTI
Grundy Telcom Integration Inc
SIRA
SISTEMI RADIO
GTI is now the exclusive distributor of SIRA broadcast antenna products in Canada.
Let us help you with your next TV, FM, AM or HF broadcast project!
INSTALLATION of Broadcast Antennas and Transmission Lines
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Turnkey Broadcast Projects
RF Technical Services
Supervision and Commissioning Antenna System Installation
Emergency Restoration Services
Grundy Telcom Integration Inc.
5035 North Service Rd. Unit D12
Burlington, ON L7L 5V2
Tel: 905-331-8501 Fax: 905-331-6711
www.grundytel.com

See us at Booth C1451

## Vislink

Booth # C6508
http://broadcast.vislink.com

**LiveGear Receiver Unit (LGR)**

This playout device receives AirStream or AirCam IP transmissions via the Internet and provides an HD/SD-SDI output. Up to six AirStream or AirCam transmitters are simultaneously received using one LGR receiver. The LGR-1000 receives live remote Internet News Gathering (iNG) content and requiring only an Internet connection.

**AirCam**

AirCam is the solution for live high quality HD/SD video and audio transmission from anywhere there is WiFi or cellular broadband service. Live remote video instantly streams from the AirCam to studio playout units.

**Airstream**

A portable, multi-mode cellular broadband 3G/4G LTE video broadcast transmission system designed for television and radio iNG. It will operate continuously up to six hours with hot swappable rechargeable high-capacity batteries.

## Wheatstone

Booth # C3112
www.wheatstone.com

Wheatstone is showcasing three new products, including:

- Dimension Two, the first Ethernet IP-networked audio console for television
- New third-generation 31-band AirAura spectral audio processor for radio as well as new FM-531HD, a 1RU 31-band processor for FM, and
- New options for Wheatstone's WheatNet-IP Intelligent Network, including the L-8 control surface for voiceover or news rooms, M-4 four-channel mic processor BLADE, a high-density logic BLADE, and the all-in-one TS-22 Talent Station.

## WideOrbit

Booth # N5129, N5829 *(See ad on the next page)*
www.wideorbit.com

**WO Automation for Radio v3.6**

New features in WO Automation for Radio v3.6 include:

- The ability to automatically normalize incoming audio files using one of four algorithms
- New features to make scheduling voice tracks easier
- New editing and copying features in Waveform Editor
- Ability to set timers automatically on incoming audio files
- Ability to import a dedicated traffic log into sports broadcasts.

**WO Traffic Order Entry and Approvals App for Mobile Tablets**

This new order entry and approvals app for WO Traffic will run on mobile tablet devices. The new app will provide a quick and mobile way for media sales and traffic professionals to book and approve orders in WO Traffic. The app will be available on both iPad and Android tablet devices.


# 750+ Radio Stations

## Have Selected WO Automation for Radio

- Intuitive and easy to use
- Centralized content creation
- Centralized playlist creation & editing
- Multi-market voice tracking
- Integration with *WO Traffic*, MusicMaster and the other systems you use every day

WIDEORBIT

Driving the Business of Advertising

**Questions? Please Contact:** Jim Hammond – Director of Sales, Radio Automation
Office: +1.214.451.4070 | Mobile: +1.469.744.1350 | jhammond@wideorbit.com

**VISIT US AT 2013 NAB SHOW**
**BOOTHS N5129 & N5829**

# NABSHOW®

*Where Content Comes to Life*

## 2013

The world's largest electronic media show is set to go April 6-11 in Las Vegas. The NAB Show, with 1,600 exhibitors and attendees from 150 countries, bills itself as "the ultimate marketplace for digital media and entertainment".

The NAB Show will host 60 international delegations, including first-timers from Croatia, Israel, Malaysia, Norway and United Arab Emirates. Non-Americans will account for approximately 30% of the 90,000+ attendees.

The exhibit halls will have nearly 600 companies which are based in countries outside of the U.S. Featured will be pavilions from Belgium, Brazil, France, Germany, Korea and the UK.

While organized by the National Association of Broadcasters in the U.S. and while a number of sessions are geared to an American audience, this event—by any measure—is an international affair.

From creation to consumption, a myriad of solutions are organized into eight exhibit communities to allow for efficient exploration. Delegates will get first looks at new products,

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NAB LABS FUTURES PARK

discover import/export opportunities and experience next-generation technologies through interactive exhibits, on-floor education, live demonstrations and technology-focused pavilions.

A new exhibit this year, called **Connected Media World**, showcases technologies and services that advance how consumers connect with media and entertainment. It will include companies specializing in social TV, application development, connected cloud services, broadband TV and OTT services. The exhibit area, in the North Hall of the Las Vegas Convention Center, will also include a demonstration stage and offer educational programming.

Japanese public broadcaster NHK will present the latest iteration of its Super Hi-Vision system in the new **NAB Labs Futures Park** on the exhibition floor. It will also feature high-profile media technologies in development internationally. NHK's demonstration includes a presentation theatre for viewing the system's 8k video and 22.2-multichannel sound.

The latest developments in live mobile TV broadcasting will be highlighted in the **Mobile TV Pavilion** (North Hall 2536 – 2638). Consumer demand for live, mobile TV content is driving new products and services, many of which will be demonstrated.

## Conferences

There are eight conferences under the 2013 NAB Show umbrella:

**2nd Screen Sunday** showcases business opportunities, case studies and technology innovations related to the creation of supplementary, synchronized and social TV content. The summit will feature speakers from broadcast networks, advertising, creative technologists and cable operators focused on live TV and sports.

The **Broadcast Engineering Conference** is a six-day event produced for practicing broadcast engineers and technicians, featuring technical papers addressing the most recent developments in broadcast technology and focusing on the opportunities and challenges that face broadcast engineering professionals.

The four-day **Broadcast Management Conference** sees radio and TV station managers (group owners, CEOs, general managers, news directors, new media and sales managers) share their successes and gain strategies to grow their businesses.

The **Cloud Computing Conference** will demonstrate the new ways cloud-based solutions have accomplished greater reliability and security for content distribution, from collaboration and post-production to storage, delivery and analytics.

The **Creative Master Series** will see key players in the entertainment industry and filmmaking community explore the craftsmanship of content. Find out how industry leaders use the latest tools and techniques in pre-production, on location and in post-production.

The **Disruptive Media Conference** covers disruptive media as well as more traditional OTT technologies and how they affect business models for distribution and consumer engagement.

The **Military and Government Summit** aims at bridging the gap between government needs and commercial video applications and related technologies.

The **Technology Summit on Cinema**, produced with SMPTE, provides a global view of the new wave of technology coming soon, with an eye toward how it might later affect the broader media ecosystem.

Chase Carey

John Tesh

Nancy O'Dell

Ajit V.Pai

Lowell C. McAdam

Julius Genachowski

## Speakers

News Corporation president and chief operating officer **Chase Carey** will participate in a question-and-answer session with NAB president and CEO Gordon Smith during the opening event. The session will include a State of the Broadcast Industry address by Smith.

**John Tesh**, entertainer, musician, author and broadcast personality, will speak at the Radio Luncheon. Tesh has won six Emmys and an AP award for investigative journalism. His syndicated radio show, *Intelligence for Your Life*, reaches 8.2 million listeners each week in the U.S., Canada and the UK.

**Nancy O'Dell**, the co-anchor of *Entertainment Tonight*, will host the Television Luncheon. O'Dell has won three Associated Press awards, two Society of Professional Journalists awards, an Emmy and has been nominated for seven additional Emmys.

FCC Commissioner **Ajit V. Pai** will lead a session on AM radio revitalization within the Broadcast Management Conference. It will address possible options for sustaining and enhancing AM radio as a unique entertainment medium. Pai will moderate a panel of AM radio leaders, engineers and policy experts.

**Lowell C. McAdam**, chairman and chief executive officer of Verizon Communications, will be featured in Tuesday's General Session. *Lowell McAdam: A Candid Conversation* will feature McAdam in a discussion with Gordon Smith on his vision for wireless broadband, broadcasting and competition in a multi-platform world.

Federal Communications Commission Chairman **Julius Genachowski**, who recently announced his resignation, will participate in a question-and-answer session with NAB Joint Board Chair Paul Karpowicz. Genachowski was sworn in as FCC chairman in June 2009 after spending more than ten

years in the private sector as an executive and entrepreneur in the technology industry.

Academy Award and two-time Golden Globe winning producer **Jon Landau** will keynote the Technology Summit On Cinema on Sunday, April 7. The Summit is co-produced by the Society of Motion Picture and Television Engineers (SMPTE).

Landau understands complex visual effects technologies and has been instrumental in licensing and marketing his films across various global platforms.

Award winning producer, director and writer **Paul Feig** (*Freaks and Geeks, The Office, Nurse Jackie, Bridesmaids*) will be at the A-end of a Q & A session with award winning producer and director Alan Poul. This session is part of the Creative Master Series Conference which brings together key players in the entertainment industry and filmmaking community for an exploration of the craftsmanship of content.

Jon Landau

Paul Feig

## Award Winners

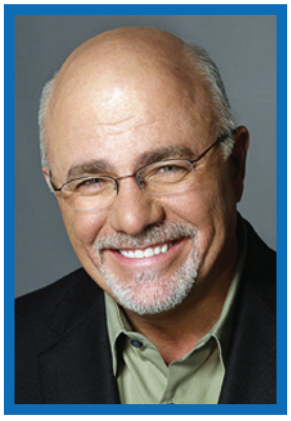
**Dave Ramsey**, the personal money-management expert and popular U.S. radio personality, will be inducted into the NAB Broadcasting Hall of Fame. His syndicated show is aired on more than 500 radio stations and is streamed on Daveramsey.com.

Fox Television's ***American Idol*** will be the TV inductee into the Broadcasting Hall of Fame. For nine consecutive seasons, the show, created by Simon Fuller, has been the number one entertainment program among total viewers. Previous inductees include Betty White, Garry Marshall, Meet the Press, Bob Newhart, *The Tonight Show*, *Saturday Night Live*, Ted Koppel, *"M*A*S*H*, *60 Minutes*, *The Today Show* and *Star Trek*.

Radio engineer **Frank Foti** of the Telos Alliance and television technology innovator **Jay Adrick** of Harris Corporation are the 2013 recipients of the NAB Engineering Achievement Awards. In addition, an NAB Service to Broadcast Engineering award will be presented to **Leonard J. Charles**, director of engineering, midwest, at Morgan Murphy Media. The recipients will be honoured at the Technology Luncheon.

Foti, a largely self-taught radio engineer, developed a list of advances to broadcast audio processing. Some have been patented and/or become well established elements within the industry. Most recently, he pioneered the development of Single Sideband Suppressed Carrier (SSBSC) modulation for FM stereo subcarriers.

Adrick made important contributions toward the conversion



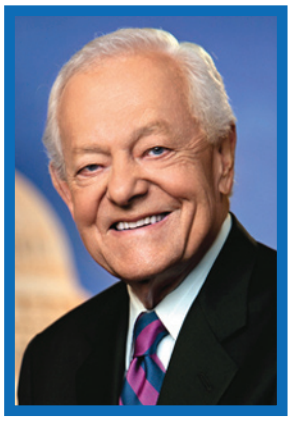
Dave Ramsey

Frank Foti

American Idol

Jay Adrick

Leonard J. Charles



Bob Schieffer

Avner Ronen

to digital television, dating back to the early 1990s, and to the Harris/PBS DTV Express mobile demonstration system. He continues to work on the rollout of ATSC mobile digital television and, most recently, led the ATSC's development of a mobile emergency alerting system (M-EAS) for Mobile DTV.

Charles, who will receive the NAB Service to Broadcast Engineering award, is credited by his peers for outstanding service to the broadcast industry and for furthering the goals and objectives of the Society of Broadcast Engineers (SBE).

**Bob Schieffer**, the CBS TV journalist, will receive the Distinguished Service Award during the opening keynote session. This year marks his 56th as a reporter and his 44th year at CBS News.

**Avner Ronen**, CEO & co-founder of Boxee, Inc., will deliver the keynote address to the Disruptive Media Conference on the Wednesday. The idea for Boxee was born in 2004 when Ronen and four friends began using Xbox Media Centre open source software for the original Xbox that allowed people to play digital media on their TVs. Imagining a way to take the platform even further, they founded Boxee.

## The Eight Exhibit Communities

1) **Acquisition & Production**
In the Central Hall, see 3D, cameras, lenses, capture accessories, lighting and grip, motion capture, 4k, virtual production, set design, motion picture/film, ENG vehicles, workflow solutions, etc.

2) **Display Systems**
In the South Lower Hall, see 4K, digital signage, TV sets, monitors, projectors, projection screens, video display, ultra HD, and so on.

3) **Distribution & Delivery**
In the South Upper Hall, see HDTV, 4G, antennae, transmitters, towers, broadband connectivity, IPTV, digital cinema, mobile video, mobile DTV, microwave/RF accessories, cable equipment and headend, test and measurement, fiber to the home, telepresence, software/applications/middleware, Wi-Fi/Wi-MAX, satellite technologies, interactive television, OTT, content delivery networks, encoding, streaming, advertising platforms and VOD, etc.

4) **Management & Systems**
In the North Hall, see digital asset management, storage, IT/network infrastructure and security, 3G B/S, signal management, systems integration, cloud computing, routers, master control, newsroom automation, video/content servers, multicasting and workflow solutions.

5) **Outdoor/Mobile Media**
In the Las Vegas Convention Center Orange Lot, see ENG, SNG, DSNG vehicles and services, mobile production studios, outdoor signage, power generation, satellite uplink.

6) **Post-Production**
In the South Lower Hall, see animation and VFX, digital intermediate, editing software/hardware, 3D technologies, motion graphics, mastering and duplication, character generation, music and sound libraries, subtitling and closed captioning, encoding, format conversion and workflow solutions.

7) **Pro Audio**
In the Central Hall, see 5.1, audio editing, mastering, mixers, effects, production, post-production, encoding, recording, and compression technologies.

8) **RadioView**
In the Central Hall, look for analog, digital and streaming technologies, HD radio, antennae, transmitters, towers, automation, master control, news and weather services, advertising/media sales solutions, encoding, microwave/RF accessories, scheduling software, signal management, IT/network infrastructure and security, web, mobile and video applications.

## New RF Boot Camp

A new Radio Frequency (RF) Boot Camp, part of the Broadcast Engineering Conference, will be held on Wednesday. The day-long training program is geared to expanding attendees' knowledge and understanding of radio and television RF transmission.

RF is a critical component in the delivery of audio and video content and a major factor in a station's success from the technical, programming and business perspectives.

## The Canadian Suite

The wildly popular Canadian Suite will again be operational Monday through Wednesday evening between 6 p.m. and 8 p.m. in the El Dorado Ballroom at the Flamingo Hotel on the strip. Many fine suppliers sponsor this event where complimentary refreshment is offered. It's a great spot to catch up with friends and to spend a bit of time relaxing before heading out for supper.